

Accepted Manuscript

The Hybrid Method Applied to the Plate-Finned Tube Evaporator Geometry

G. Starace , M. Fiorentino , B. Meleleo , C. Risolo

PII: S0140-7007(17)30507-8
DOI: [10.1016/j.ijrefrig.2017.12.007](https://doi.org/10.1016/j.ijrefrig.2017.12.007)
Reference: IJIR 3849



To appear in: *International Journal of Refrigeration*

Received date: 29 October 2017
Revised date: 13 December 2017
Accepted date: 14 December 2017

Please cite this article as: G. Starace , M. Fiorentino , B. Meleleo , C. Risolo , The Hybrid Method Applied to the Plate-Finned Tube Evaporator Geometry, *International Journal of Refrigeration* (2017), doi: [10.1016/j.ijrefrig.2017.12.007](https://doi.org/10.1016/j.ijrefrig.2017.12.007)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- An innovative method has been applied to design plate finned tube evaporators
- The local behavior at the refrigerant and air sides have been obtained
- The air flow rate distribution through the evaporator has been determined
- The detected area with the highest heat transfer rate leads to system optimization

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7175301>

Download Persian Version:

<https://daneshyari.com/article/7175301>

[Daneshyari.com](https://daneshyari.com)